

LTN8616D-P16N Platinum MD 2.0 / VCA NVR



- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 4-ch VCA
- Up to 4-ch facial recognition for video stream
- Up to 8-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 32-ch 1080p decoding capability
- Up to 8-ch IP speakers can be connected

▪ Function

Compression and Recording

H.265+ compression effectively reduces the storage space by up to 75%

Full channel IP cameras connection

Compatible to third-party network cameras

HD Video Output

Provide independent HDMI and VGA outputs

HDMI video output at up to 4K resolution

Storage and Playback

Up to 2 SATA interfaces for HDD connection

16-ch synchronous playback

Smart & POS Function

Support multiple VCA (Video Content Analytics) events

Smart search for the selected area in the video, and smart playback to improve the playback efficiency

POS information overlay on live view and playback

- POS triggered recording and alarm

Network & Ethernet Access

- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- LTS Connect & DDNS (Dynamic Domain Name System) for easy network management

▪ Specification

Intelligent Analytics	
AI by NVR	Facial recognition, VCA, motion detection 2.0 * The NVR's built-in facial recognition feature cannot be used simultaneously with Direct Search or VCA.
AI by Camera	Facial recognition, VCA, video structuralization, throwing objects from building, motion detection 2.0, ANPR, people counting, VCA
Engine	1, engine mode is adjustable
Facial Recognition	
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 1 GB)
Face Picture Comparison by camera (Captured from Camera)	MAX 8-ch, require a compatible face capture cameras
Facial Recognition Capabilities	Face picture comparison, human face capture, face picture search
Facial Recognition and Analytics Performance by NVR	Supports human face capture with HD network camera: up to 4-ch at 1080P, 2-ch at 4MP, or 1-ch at 8MP (H.264/H.265 supported). * Performed without a compatible face capture camera
Motion Detection 2.0	
By NVR	All channels for Platinum cameras
By Camera	All channels
VCA	
By NVR	4-ch, 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm; Up to 12 rules in total
By Camera	All channels
ANPR	
By Camera	All channels
Vehicle Attributes	Plate number, license plate color, license plate type
Plate Attributes	Vehicle brand, vehicle color, vehicle type
Video and Audio	
IP Video Input	16-ch
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	256 Mbps
HDMI Output	4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz
VGA Output	1920 × 1080/60 Hz
Video Output Mode	HDMI/VGA independent output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Decoding	
Decoding Format	H.265+/H.265/H.264+/H.264

Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF 32MP/24MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF *: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs.
Synchronous playback	16-ch
Live View Window Division	1/2/4/6/8/9/16
Aux Port Window Division	1/2/4/6/8/9/16
Decoding Capability	Enable AI by NVR: 20-ch@1080p (30 fps) Disable AI by NVR: 32-ch@1080p (30 fps)
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM
Dual-Stream Recording	Support
Stream Type	Video, Video & Audio
Network	
Network Interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Camera Access Protocol	ONVIF(Version 2.5), RTSP
PoE	
Interface	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 200W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
SATA	2 SATA interfaces
Capacity	Up to 16 TB capacity for each disk
Alarm In/Out	4/1
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian, Hebrew
Consumption	≤ 30 W (without HDD and PoE off)
Working Temperature	-10° C to 55° C (14° F to 131° F)
Working Humidity	10% to 90%
Chassis	1U chassis

Dimension (W × D × H)	385 × 317 × 52 mm (15.2"× 12.5" × 2.0")
Weight	≤ 2.5 kg (without HDD, 5.5 lb.)
Certification	
Obtained Certification	CE, CB, REACH, WEEE, UKCA, LOA
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4
Others	
IR remote control	N/A
Panel	N/A
Temperature sensor	N/A
Slide rail	N/A
Mounting ear	N/A
Package	N/A

▪ Physical Interface

No.	Description	No.	Description
1	PoE interfaces	6	ALARM IN/OUT
2	LAN network interface	7	USB interface and VIDEO OUT
3	AUDIO IN/AUDIO OUT	8	GND
4	HDMI interface	9	Power supply
5	VGA interface	10	Power switch



